# AND

AIRCRAF



SPECIAL FEATURES

AEROMARINE PIONEERING BOMBING TESTS OF U.S.S. ALABAMA MAJ, GEN. M. M. PATRICK, CHIEF OF AIR SERVICE AMERICAN LEGION FLYING MEET THE ZEPPELIN-STAAKEN 1,000 HP. MONOPLANE

> THE GARDNER, MOFFAT CO., INC. HIGHLAND, N. Y. 225 FOURTH AVENUE, NEW YORK

Dollara Year

OCT 1 1921 FIELD OF NOERS SCHOOL

#### BOEING AIRPLANE COMPANY

Manufacturers of

EXCLUSIVELY DESIGNED

SEAPLANES

FLYING BOATS AIRPLANES

CONTRACTORS TO UNITED

STATES COVERNMENT

GEORGETOWN STATION WASHINGTON SEATTLE.



From the hole. This is a visible guarantee to all who fly with the express that it was made by use more own plant. This place certifies that every ounce of material was entically enamined, then assembled. The namenlate organization the entire has passed out executing current test requirements. While we are building about angines this vigilance will never be related. The same about a confirmance for animals mades are fulfilled to the true models

Because REQUIREMENTS s. Engineer per larrepower. Comme useful load, successed merformance. a. Maji perer Spend, cook, priest matrix, Economy, long ward refere, moreued welful lend.

The new models of WHIGHT region here thator cylinder stocood valve warping. From scopped valve negling. From son to pos boust may be ex-perted without regrending

Compare the characteristics of these stock ougmes now in production

NOTE -The power given as the more pend power, many individual angines give WHITE ANNOUNTED AT CORPORATION

Home to rebut the Editor of the New York Eventur Mail had to say on the subject in a leading editorial printed in that personner on Friday, August 26, 1921.

THE EVENING MAIL Fine Flying Over Fulton's Wake

to the world, to make connected one of street bounder of the poor. It was The official report of the Arrange to the Storess sufficiently legaof Asmenation of the Navy draw-towns shows that incorrects state.

ing boats, in total flaghte of 28,172 miles, with but in Legen some narriage for this number of miles, trips and per-

were upon ralls. Certainly so highway which open of low ated at severity males per hour would perfere an outle faithfully as these firing hosts have done. The to the accompagialment must have been very by a most less

Aeromarine

Flying Boats

namies are demonstrating daily the safety and profit of flying The Assurance Navy H-S-21

flyne boots at their pursent loss prices and with their less operation cost of about \$16.00 per form born (couring fool wiles and machanic) and their carryine capacity of six. allowing a possible revenue of fron \$250 to \$300 per flying hour on the

We are taking orders now for spring delivery

Write for catalog and dealers proposition

AEROMARINE ENGINEERING TIMES BUILDING NEW YORK

-----

Oatsber 3, 1923

AVIATION OCTOBER 3, 1921

AIDCDAFT JOUDNAL Member of the Audit Statem of Cornishons INDEX TO CONTENTS

Edamais .... The Zeppelm-Stanken 1800 Hp. Monophee. Modes of FAI 

> THE CARDNER MOREAT COMPANY Inc. Publishers SHICH AND N.Y. 225 POLISTIN AVENUE. NEW YORK

THOMAS-MORSE AIRCRAFT CORPORATION



THOMAS-MORSE AIRCRAFT CORPORATION

Lamous o'Osco Erman P. Warsta

as well as his properland shiftly as an engineer officer, made Medel did net recove the presented, but it is also realized would reaso much local feeling of given to an effere at young as Sensori Matchell when once of much longer service was limit of the Ase Service

While it has been thought that the man difficulty in the stel by various difficulties relating to contracts. When the

#### General Menaher

AND ADDREST JORDAN, of the many fine qualifies of the Charl of Acr Service who has prospeed. Coming as

FIGHE early appointment of Col. Mason M. Petrick to the

He few belot in the objects and decays importance of the infantroncy perhaps made at difficult for him to assent

The Zeppelin-Stanken Menoplane

the sections required without accountainty much operad

massiles with the easitpit is no less so, although the wisdom In this connection it is interesting to hear that Dr. Hobebook

## Building Character into a Plane

HERE is where the Glenn L. Martin Bombing Plane graduates from the shop. This is the last stage in its assembly. Sixteen highly trained workers under expert supervision are installing the last equipment; making the final adjustments; checking every separate part;

subjecting every control to rigid inspection and test. These must be nicked men. They must be absolutely reliable-wholly competent. They must measure up to their responsibilities in every way.

Back of the Glenn L. Martin name for supremacy, lies the Glenn L. Martin ability to nick and train men of the right calibre and character THE GLENN L. MARTIN CO.



CLEVELAND Manker at the Manufactures Awards Assessment



#### Aeromarine Pioneering

There has been a money coveragency, during the pos-mention, of avasion for commercial purposes in the United

so encounted was the demonstration trip in the New The object of the flight was first to sell those flying boats

but Blazon, Mach , Petochey, Mach , Charleson Mag-"The constanting factors of this flight," said Mr. Rome. eiter, the neters conpersion of the Chambers of Common rathing provision for flying boat travel. I recommend to them that they put out a the next of gy of the toutable of the

"We served bundreds of people on this long from two



A BRANTT SPOT OF LAND GROSON SA GREE FROM THE ACK

and it was rouderful, and wanted to go again

hast No. 20,044 left Kaypert, N. J., at 11 30 a.m. A step-war made at the Ayrenances Air Poot at 82h 5s. and the Hudson Errer, N. Y., C., where Mr. S. S. Blythe, Avantas Can sed many future members of the Air Service. The fises singed at Bellulo over marks and the futures.

and to Lake Cherge where part was made ever night at the Fort William Henry Blond. Thu being the first fixing boat Maintage successful to English to Vi., with a full load of The fiver were met by Mr. E. Greenward, Non-Secretary

was secored from the Tute Surrecce's office withink any diffi-

edit. The flying best arrend at Alexandria Buy at 7 hb

dry clotheag, but also arranged a late support. Mr F G

Rying boat followed the Canadian sale of Lake Ortaria Medica at Cohory for find Harry reacts mateurous middely disputched. Insurant as the best had again what to do, however, a marker elements was finally armed

Erimon, Canadian datrilator for the Assumption Co. was what to there was a new type of flying boat. Toposto was height. At Bullah a landing was made at the Yazig Clu-



H. A. Derrey, Captain, and D. G. Rettianners, Prior with over the high sebool registry. Leaving Buffalo at 4.26, Env. Clab, to make Eyes an air part norms. From Exactly flow to the control of the con Communication of Detroit, Mr. Metapur, Frenders of the De-

The Arressons HS left Detroit July 21 and envisaged six pens, Marking's and Pelankey. This latter only was reached be July 23 and on the 24, which was flunday, the fline memory reserve of Medagas. The Sente Maye had courtaken the Asymmetra Navy HS and the two bests for traveley or each landed with passengers. On account of the lete stowhich was reade in darkness. The Beats Maria preceded on the fellowing day, but the Assumptible Navy ESS carried on the following cay, not the Astronagene Star, and then left for

landed off the Pageont of Progress pure is reagh water. The Officers. The Service Martin had almosty environ at Change

marrier Newy HEEC made Hights along the Lake Michigan short The prints fight was started August 18 with the same arew

adms. Action on telegraphic instructions the fiers few back the length of Lake Ery and spent the night of Sept. I at Codes Point. The return Eight from Codes Point was ineventure progress Falls was fown over open at an attitude of 2,800 ft., and united of following the Canadian side of at 11-11 a. m. in a light rain with less variables and room

Donabrica Chambridge

Person Public Systematic I to be descripting fights were made over bale Web

Outsides 1, 2005

Rockeyay Henge and D-6 Barned The non-repl number D-6 was tendly destroyed by for in the burger at the U.S. Navel Arr Shatson, Bockman, L. L. thereby below 0.65 evident August 52, 1971. The D-6 was be

Person plant, 2 Union 125 by segmen. Engaged full speed, 55 to \$1.5 Religioned expension at appeal of 48 top-3, 27 house at

Cost, \$10,000. Margay \$110,000 The fire tability desireted the grekep and hanger Nobell was seriously fort. These or four men wage reported septi-ficially higgest. The sount course of the fire has not yet here

that the fire started to the out probably by sculling of the Alsocaft Handbook A new edition of the America Mechanic's Handbert, Odvill. and corner in on Autority areasonal Historical Land.

Land Colon, has been published and in for sale to the Pesser Instrument Co., 126 Davement St., Brookfur, N. Y. General Patrick Appointed C. of A. S.

Francisco Harding and on September 23 to the Senate the susception of Col. Marca M. Patrick to be Clast of Air stated that there had been a retained entunded numbers Bris. requests had been eliminated and General Minchell would re-

The foreward watersect to General Patrick represeds to the vacuum created for the boundly sellow of the Secretary of Mar on Mat. Gen. the exceptional ability as an executive and expanses which

He depleased much altitive and devotion as Director of Con-

hon Accretance Plant at Orly whom the material free

Honor (Curomandor) by the French Government, Order of graduating second as his class in 1866. Prior to the Washi 1965-8, and in the Buowantile District on 1816 At present, General Patrick is as conserred of the post and



Max Gire Mason M Parrice, Newsy Arrowers Cause on

Meeting of the F. A. I. The next westing of the International Associated Fed. emittee (F. A. L.) will take place Oct. 26 to 29, next at Madthe exchinen experience which receives acrees efficient over while Nerwey, Friend, Oriest Rottagel, Styria, Sweden, Swizzerbank Factor, States and Uregray. Two of the affiliated automat

L, on Jan. 9, 1921, will be submitted to redelection.

## Bombing Tests of the U.S.S. Alabama

To enable the Amer Air Service to pursue homburg exper he Day. Tests such Chemical Agents The eleptic of the tests conducted with the Alabema are N B West Prop. Play how

· FILME DESERVE

11 M. Maria II Transporter 12 M. Maria II Transporter 12 P. Maria II Transporter 12 P. Maria III Transporter 12 N. Maria III Transporter 13 N. Maria III Transporter

Upon the conclusion of these attacks above will be an exaveraging of the Alabana by the Board of Chappen to

TITE OF ROOMS OF TAXABLE

First Day of Tests night with aufficient distinctions to permit accords attacks. Hode war are se Commerce Upon the completion of the above menod tests an attack will be made on the betthelies. Thus well he for terrical

bertake the phosphores spinshed up and fell to the decks The pest receiving the sleep was soon to be on flor, and polarthe helds, where it was not heliaved it would accomplish much take tout all the forward turns and on the stern. For a

have drawner four 100-round shouthorns books, each of

which atrech aquarely on the vessel. As the "coun" his the

Darber 5, 2103

the Abdustra force is bearful of 1,000 ft. but the third rescribes

The second day test, Sent 26, started with year DSL4 Avr.

the skip being right by a 2000-b, description bomb

Alabarra tore looss from her sneboy shame and distinct

encrimed jobn for amplitude which have had a band season and work are confect, and all repairs, etc., are under the descri-represents of Contain T. L. Tibbs, furnished of the Assoincreas Acres . The work is all dear on a basis of actual

Coffees Porri, which is the granucatory on the nurtheast Sespience will also be begit yearcraftly, to color, as well So treelly upper some of the emplosions that the battered on feel 'sque-shole' with nightness motion and proposition.

#### The Zeppelin-Staaken 1000 Hp. Monoplane



Par I Greener, Year or vill Service-Stractic LOSS He Monorana in 198 October 1980 in heat Correct

to Animation, delivery types the promotive or rigid in client of the property of the property of the client entirely encourage with the materiation of the cover-obtained the field type is resulted, and the more of Physics of the client of the client of the complexes constitution of the client of the client of the client of the client entire and twist require magnitude, trapping between a man, and, through their central constraint the data of the client of the client of the client of the client entry in 2437 the first constitution of the production of very the 2437 the first constitution of the client was expended and the client of the client of the client was expended and the client of the client of the client was expended and the client of the client of the client was expended and the client of the cli

In the treatment the Deppelies Co. rettlebelled two securities platfor for at the Demone any Yandardshiddin, and the control of the Law at Demone any Yandardshiddin, and the control of the Law at the Control of the C



Plus 2, 3, 4 (MPP) Valence Vilens or the Zeppenty-Starker. —Pic o (source). Increase They or the Parameter of the Vile Start Control which Conductive Control with the Events Normale

Oncolor 2, 1921 A V I.

pseud together as pairs to three propolium. The experience
for Robriboth these gained appears to have gastified file fulli

drives reading from the passe torus, however, previously their frem energy-go and the plate. The passes of their first energy-go and the plate. The passes of their first energy-go and the plate. The passes are proportionally an experimental properties of the demonstrate and their passes of the passes of the passes of the passes of the passes of their passes of the



For a Pray or year 5.8, 1000 Mr. Monorany Serovan in Sight. Fig. 72 there on puts made with an Con-recover or Wight and Anti-recognition or Printed transfer and or make and transfer which is Asset.

Fig. 7. Size Electronic are Plan of an Evene Monthus.
The Evenues Edge of the Wind in Shows
of a Downs Lone

seed being 164 th per np fit, on a recent of which the machine their off and basic off two p their speech, them being 40 and 50 m pA. respectively.

In the course at some twenty test fingles made on far a recent recent per the part of the particular their section of the particular thei

no certain funds of it. The years have a more of 12 of 17 millionist on the more have been presented to be 17 millionist on the more have been presented to be 17 millionist on the more have been presented to be 17 millionist on the present of the

The state of the s



lyan the centerline of the corplene and proper ducted in from our convertible of the express non-propert negative at led to recent clerks; clearly accurate acceptance the expension of the outer carefles, the latter being mounted 10 ft. of the express, where it is not to overflow exchanges by

Call to much starged trade mounted alongseds the eventween given, in front and aft of the box garder, and yest on sagin due to proofers vapors, the comparisons in vantilated by

goer has proven so established that it was peculic to do away with the tarpi wheel which had commally here revented the air stream creates a strong saction. The passagroup structure and thousan necessary, as were an of two commune, are secured by rivering, webling temps charged from the con-Alleron. The efferences are of the balanced type and their defect at the wing tipe, the want share and advers arreads. Pareloge. The foreings in built up of square about dural

mann of takes leading to the lower ride of the wings where

October 3, 2822

The sales of the function is fitted with a fulfine floor Fig. dering flight, answers the purpose of a collision commutment The control excitors of the Fassings, The control excitors in on top of the cable, and affords noin pairs. The evel-pil was negginally open, as may be new from Fig. 12, but in the test fibble the death severed as an is For 14. The cockret is ogupped with a dual controls Sendous Goor. The heading mean one half of which is Sentrated in Fig. 35, is noterouthy for an elean lines. It is sempared of a pair of two wheels, 1600 nm by 200 nm.

With the olso-parameter banking your of the Esppolis-

by the values. In properties as the speed decreases the weight of the reaches in transmitted to the landar ever world the Hildrigg street after a very of from Abb to Abb Cl. They bendie a

First Cables. It has been and obeye that the wines are in Fig. 9. However, as no previous experience was available regarding the strongth of the box guider around which the are stressed to referre the wing gurders of the fernitury mo-



Fig. 14 (res). The Roof wasces was Asons to the Concessto flight real are able to abserb the moments of torsion what between of these cables has the further advantage of relaying

The Surfeces. The tell appropriate consent of a vertical fig. vator. The tail plane is built up around a box girder in the by these lattice ribe. The structure as well as the platting is Specifications of the Supposite Southern E.A.Ed.

Wought leaded, 30 700 ft. Fing trading the ft. As

#### "Who's Who in American Aeronautics" Every week, AVIATION AND AIRCRAFT JOURNAL prises the higgsphical should of

men seho are prominent in Assertion Aeronauties. These sketches will be published later as presponse pirts. At 20 mmy of one officers change over sistings of the converted that a semi-small uses will be accessory. In compilations of this chemistre stany errors and our missions over it will be appreciated of corrections are sent to "Who's Who" Edebor.

Precional Bradford Creeker State of Policy orbits Problem Black

Bound After School III Sept. 2 and Cornell of Marie Charles and Control School Charles and Control School Control School Control School Control School Control School Control Hugh Chester Downey

Transcot. Early and high prisons Keeple

MODEL COMMAN AND COMMAN AND SERVICE Hardware Committee St. Co. J. Linds one as the St. Same See Establish (McParcent) Branch Edge-day New Bragana State Street 1913 U.S. McDarty Ausbarder Printerpoon Con committee of Committee Printerpoon Con committee of Committee Printerpoon Committee of the Committee of Committee Printerpoon Committee of the Committee of Committ

Registration of the control of the c Cornelin J. Kressey

Lebral S. Andrews ATTRACTOR DELATER & In Living All Parts and Publishers and Publish

Front Water Caldwell

The Water Community of the State of the June 1725 State of the June

Engis Clement Whitehead

Department of the Manufact of the Physics of the State and The figures July 182 10 felds Ar. Britis Agency Compating the Libert, Air Burges Agency Arterists Service Force Service Servic

VITEXANDERS WORTH IN ADMINISTRATION OF THE PROPERTY AS A CONTRACT OF THE PROPERTY OF THE PROPE

Robin A. Day DAY, BOXES & 10 Lines, Alle Service, Sen

Principles Science Por March 15th April 25th Count Strengton by Mont Sir Rooms Dale Vizzont Gaffery CAPPLE CALL TIPPENT, on Line; Application for Mechanic Mann. Phys. 19, 1998; and off John St. Gallery and Fide 19, 1998; may not Layer Physics Physics Park Springer, and Capple Springer, and Capple

Landon workers in Castale All Services Francis Control for The No. 3 of the All Services Control for The No. 3 of the All Services Control Control for The No. 3 of the All Services Control for The No. 3 of the No. 3 of the All Services Control for The No. 3 of the

American Legion Flying Meet, Kansas City. Is conjusted with the Third Assoul Assorting Legics, or limiting in the smallest distance possible. Principles

Relay Sacr. Entries open only to JN4D's and Companies 4 shops to a tenne Entry List bristed to 5 teams. Standing stort over around a fifteen rich transplar course, 5 miles start whereon the second ship takes off. Print to the worning from \$250.00 to such taket in each. Total \$1,000.00 ships only. Fore times around a reaugular course of fifteen roles, (15) roles. Rakes—the ship must have a revulation OX motor. It can be streamlined, or use any other device. the wan who hall out Minecks First, Long Driand. Oil and

(a) Alkinda Test. World's Record. Single Seater. Large-LOUDSE sector for workly woord. No loops under 1 page ory my to proper from inghed altitude (d) Parachate Altitude Test, For women, World's Record, midsed on all account elicency. Large esp for the wanger.

begon Durby upon to any mans of supless, somepower or wingspeed. Machines to start at amalek, some over a han to be won twice to become the permanent property of the water. Another bangliful cup-value #1.000 60 which will

flatt and publish it in the program together with the name

Possiduat of the United States together with cosh upper of

Aviation Day, Mineola, Oct 16. New York towersen must be the Cartan Field for acrolumn 2 Demographysion flights of applicates. Each exhibitor is requested to make one or more exhibition flights to show the performance of his markets region etc. The eaters and

the proper is awarding the trophy. The pulger shall be the Avisities Editors of the Naw York payers, and the trophy shall be senseted on varies as follows: Each action shall said. and in his papers are encore for the first life years, not used yell-field let the Contest Connection will award 5 resident plete, 2 points not nouth point, and 1 point nor man point. The confection receiving the greatest number of paints shall be asserted the trouby Hawerer no contentual shall be shielded.

Exhibition of phase changes, were walking standard on

Legon Derby. Open to any make of appliant, horsespores

The teles and the games who are in one compartment are The point and the genera who are is no compartment are protected by steel plates 6 276 in. In Shirkman, riveted to-sether. The words of the array steen is 567 in. The course CHECKERBOARD AIRPLANE SERVICE

FOREST PARK, ILLINOIS

One of the largest and best remapped String fields CURTISS-INDIANA COMPANY

TYPES OF CURTISS PLANE CHIE STATES ASSCRAFT COMPANY SHREVEPORT, LA.

WHITE BEAR LAKE, MINN. Harold G. Peterson Aircraft Company

AFROMARINE AIRWAYS, INC.

CURTOS FIELD CARDEN CITY, LONG ISLAND EXPELMENTS FIELD EXPERIS. N T. CURTISS ARROPLANG & MOTOR CORPORATION DAYTON OHIO

Supplies, Finance, Shrye and Field : Mile from Dayson Smice.

PRINCESTAPIA School and Communical Aveation

then farities for passenger cowying, olive, francing to special Bullet, yes should be represented in WHERE TO PL

October 3, 1921

October 5, 1923



THE LORNING PLYING VACHET!

A rapidy breesd recording of the type originated by Goover C. Leening, The wing structure is practically identical with that of the most prough strated a safety factor of over size. The double fit and radder ted strategy maters a territorial strategy for a court of that appropria-

The simple half has a double strongth, ower the rationor is completely cross beared by wines and transing to take the test load as a freedings, without record to the additional distancts of the sales and better The high performances in speed yours and climb foliar fours the most-The high performances is speed range and cloud follow some one over, suspin decays—a high speed of 155 pulse per hour, with a slow speed of 15 soller ner home, and a cloth of 10,000 feet in 39 manages. The resurtable assessibility and one of sucutement have developed During the last few works the first reading of this true has been flown Change the lest few worst the first manner of this type can seen news southantly severed thousand rates, and a careful measurement of fluid

LOENING AERONAUTICAL ENGINEERING CORPORATION 351-355 WEST 52ND STREET

NEW YORK CITY

Cable Address: "Mesoplant" New York

which metaded an average of 10 hours flying per meetle, Japanese aviating authorities, it is assumed, are making Aviators Eurosa will serve to make it an important collitary

can either common on his year ring or sent inseaded belond the subst and take control of the nutrition. To facilitate this, the

at 0.546 ft., 165 comb., with a coffeer of freez 15,000 to 10,000

arries of figure sicks turns without house alletade. In these

As a result of examplations for the entry of boy mechanism

year 1920 shows that 12,760 flights were reads for a total duration of 2,512 hours. In this another of finish only 5

26 Consecutive Insertions \$20.66

FLYING SCHOOL

## \$20,000 PRIZES

\$10,000.00 in CASH -- \$10,000.00 in TROPHIES CONTACT! Of for Karses Cay! Cat into the bingest Annal event in history. Bring on your ships. Take home the bacon-\$20,000 worth of priors in real coin of the realm and handsome trophies. A gigantic Flying Meet for every type of plane. Make your plans NOW to come to the

OFFICIAL

American Legion

KANSAS CITY, MO. - OCT. 31 - NOV. 1 & 2 A memorath Speciacle of the Air for three days and majors. Meet your old buddles. Meet A mercia's forested ones and score of other notables. See the greatest collection of shire ever

amentied. And take pert in your favorite events. A most the world will talk about FREE Gas! - FREE Oil! - FREE Service!

At the Field for all Contestante!

A Few of the Events LUCION HINIOR DERBY

RELAY RACE

Open to any make of plane, horsecover, so wine The Louise Sansor Durby Open to all days of law spread. Machiner to start at security, race over a To make or all. Property A larger ribur cup valued as \$1250 00, to be awarded by the President of the United States to addition to each prices of \$1000,00 United States to addition to cash prices of \$1000,000 for four \$100,00 for second, \$200,00 for bind,

remod if \$1,000 of will be greated the winner of feet place, as he permanent property. These purses will be presented by the President of the Userd States on the floor of the Convention 1642. In seldrive, each puzze of \$1000.00 are offered for first. Fatner men only to IN4D's and Casacks, or ships \$200000 for second, and \$1000 00 for third place STRINTING CONTEST race from a standing start more around a 15-mile These here planes will be picked for fash to be held

on the federated day. Advantably no clustering to be done under an allitude of 1000 feet. \$600.00 Salver Loccent Contests, Altitude Tests, Night Flights, Parachete Deans and sower of

Onen to All! Our Official booklet containing full information on each event, cuts of trophies to be awarded in addition to each orizon, rules of the course and field, is now ready for mailing. This booklet also contains official mery blanks. Send for yours at once. Don't miss this areatest of all Flying Meets

FLYING CLUB OF KANSAS CITY Kanana City, Missouri. Reem 126 Hotel Baltimore

The aird Swallow \*4.500 LEGITA

NCREASED production enables us to account the reduction, effective transmissible. At this result The Laird Swallow will be see some women're only in resource image. Discussion on a construction had no our now factory resourced with the OXA mater, resource their resources such full lead of faul. and beauties—Manufactal in performance—remarkably low unknown and operation posts.

details and booklets. F M LAIRD COMPANY

WICHITA, KANSAS General Sales Offices 2216 SO. MICHIGAN AVE., CHICAGO

COX.KI FMIN AIRCRAFT CORPORATION Counting, Designing and Constructing Engineers.

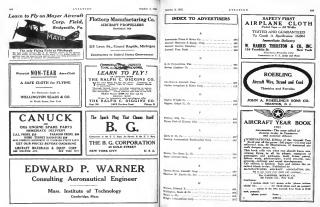
College Point Long Island New York For immediate delinery: Brend New three place Standard, with Mccordes motor. Motor is rated at 160 H.P., and develops close to 200 H.P.. Test flights show perfect behaves, great mored, and ellegh. No. coverage came to over al.P. Test Rights show perfect totaline, given speed, and climb. Re-nests of pilot completely satisfactory. Pleas flow summediately after test from Long Jahrel

\$3500.00



WOTORS - Marane

Write for voices and catalog. All insulities accountly dealt with.



# Tircraft Service Director

THE LAWRENCE SPERRY AIRCRAFT CO. INC

Farangials, Long Island, Speed & Drift Indicator

WRITE FOR INFORMATION PIONEER INSTRUMENT COMPANY 136 Havemeyer Street Brooklyn N Y

CRECIAL BRICE LIST ANUCK, JN., AVRO PICSON AIRCRAFT CIMITAD THE RIPE ST. EAST, TORONTO, CARADA

CANUCK Complete stock of superior surbrude, parts and surbrugate at IAMES LEVY AIRCRAFT CO

2043 INDIANA AVENUE

EX-Prior ALLEN E PECK 29-31 Parafic Rudding. | Old F Street, N W WASHINGTON, D. C.

FOR SALE: I Axo, three senter, with 110 ha LeRhone autor and source parts to excellent condition. is seed conferent Address WILLIAM F. BALIER. 10 5. Calvert St., Baltimore, Md."

WILL SELL namally completed sport plane and motor or trade for small rangious or motor vote Box 227 rare of Aviation

IMPORTED COMMERCIAL ARRIAL CAMERAS THE SECRET IS CAMERA, IN LOS VINCENTES

PARCHILD AFRIAL CAMERA CORPORATION PRICED FOR A QUICK SALE One Lacola Standard Towahout with Detachable Laclosed Cales One Lancia Standard Standard Characteristics are in salardid condition Males 150 H.P. HAMILTON AERO MFG. CO. Milwanker, Win

CURTISS SHIPS FOR SALE S500.00 AND UP CURTISE EASTERN AIRPIANT CORP.

lasks in G & O appleas redisiner han in any other type bothed down MANUFACTURING CO. MANUFA

SUPPLIES - "CANUCK" "JN" "OX5" Co. I I make in our right the most possible on the States
When the basis in the control of the Lore had been per
and the control of the control of the Control of the control
and the control of the control of the control
and the control of the control of the control
and the control of the control of the control
and the control of the control of the control
and the control of the AMERICAN AIRCRAFT, INC. LOGAN PRICE. NO PARTAN F AND DESIGNALE, NO

ACETATE AEROPLANE DOPE Statement Coar Asserts Dam Cole No. 41 of to pp. 1 pp. 6 trees.

The best Coap State Mat Coart States Frica. This is not possible to the coart of present of the Coart of the BRAMER-KELLY-CANFIELD CO.

WRITE for INFORMATION About this Directory Advertising IT'S BRINGING RESULTS

## FAITH



The Dayton Wright Company helieves in aviation -- foresces with calm assurance the services which aircraft will render to Commerce and Industry.

It is pleased to consider that the opportunity to share in the development and in the accomplishment of its expectations of the aircraft industry is both a privilege and a trust.

Permit us to study your transportation problems. Probably you are one who may profit hy the use of aircraft.

## AYTON WRIGHT COMPANY





"The blobaless of the similars"



## A FURTHER REDUCTION

APPROXIMATING 25 PER CENT

in the price lists of parts

ORIOLES

JENNIES

O X STANDARDS

C 6 STANDARDS

is announced

## EFFECTIVE SEPTEMBER FIRST

Write for revised price lists

Motor price lists are not effected in this reduction

CURTISS AEROPLANE AND MOTOR CORPORATION

GARDEN CITY



LONG ISLAND